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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/693,823

10/23/2003

Yaron Maycr

1439

7590

12/15/2006

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EXAMINER

PIHULIC, DANIEL T

ART UNIT

PAPER NUMBER

3662

DATE MAILED: 12/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/693,823

Applicant(s)

MAYER ET AL.

Examiner

Daniel T. Pihulic

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16, 18, 19, 21, 23 and 27 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-16, 18, 19, 21, 23 and 27 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: ____.

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1. Acknowledgment is made of applicants' claim for foreign priority based on applications filed in Israel and the United Kingdom. It is noted, however, that applicant has not filed a certified copy of the applications as required by 35 U.S.C. 119(b). The disclosure is objected to because of the following informalities:

In page 8, line 3, the term "Dopler" appears to be misspelled.

Appropriate correction is required.

3. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

4. Claims 2, 4-8, 10, 12-16, 18, 19, 21, 23 and 27 are objected to because of the following informalities:

Claim 2, lines 6 and 11, end with periods, which is not appropriate.

In claim 2, line 3, the term "Dopler" appears to misspelled.

Claim 4, lines 4, 7-9, 11, 14, 19 and 20, end with periods, which is not appropriate.

Claim 5, lines 5, 11, 13, 16 and 18, end with periods, which is not appropriate.

Claim 5, does not end with a period, which is not appropriate.

Claim 6, line 5, ends with a period, which is not appropriate.

Claim 7, lines 7, 10, 12 and 16, end with periods, which is not appropriate.

Claim 8, lines 5, 7, 10, 13 and 16, end with periods, which is not appropriate.

Claim 10, lines 6 and 11, end with periods, which is not appropriate.

In claim 10, line 3, the term "Dopler" appears to misspelled.

Claim 12, lines 4, 7-9, 11, 14, 19 and 20, end with periods, which is not appropriate.

Claim 13, lines 5, 11, 13, 16 and 18, end with periods, which is not appropriate.

Claim 13, does not end with a period, which is not appropriate.

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Claim 14, line 5, ends with a period, which is not appropriate.

Claim 15, lines 7, 10, 12 and 16, end with periods, which is not appropriate.

Claim 16, lines 5, 7, 10, 13, 15 and 16, end with periods, which is not appropriate.

Claim 18, lines 5, 8 and 12, end with periods, which is not appropriate.

Claim 19, lines 6 and 9, end with periods, which is not appropriate.

Claim 21, lines 7, 10, 14 and 16, end with periods, which is not appropriate.

Claim 23, lines 7, 9, 14, 16, 18, 20, 22, 24, 32, 34, 38 and 40, end with periods, which is not appropriate.

Claim 23, line 27 appears to missing a comma.

Claim 27, lines 5 and 7, end with periods, which is not appropriate.

Appropriate correction is required.

5. Claims 4, 5, 12, 13 and 19 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 4 recites the limitation "The air gap" in line 3. There is insufficient antecedent basis for this limitation in the claim.

Claim 4 recites the limitation "The decoded signals" in line 20. There is insufficient antecedent basis for this limitation in the claim.

Claim 5 recites the limitation "the acoustic walls" in line 15. There is insufficient antecedent basis for this limitation in the claim.

Claim 12 recites the limitation "The air gap" in line 3. There is insufficient antecedent basis for this limitation in the claim.

Claim 12 recites the limitation "The decoded signals" in line 20. There is insufficient antecedent basis for this limitation in the claim.

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Claim 13 recites the limitation "the acoustic walls" in line 15. There is insufficient antecedent basis for this limitation in the claim.

Claim 19 recites the limitation "The ultrasonic frequencies" in line 7. There is insufficient antecedent basis for this limitation in the claim.

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States;

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7. Claims 1, 2, 4, 5, 9, 10, 12, 13, 18, 19 and 21 are rejected under 35 U.S.C. 102(e) as being anticipated by US6590661. The US6590661 reference discloses the utilization of optical means to detect sound waves as recited in the aforementioned claims as definite.

8. Claims 1, 2, 4, 5, 9, 10, 12, 13, 18, 19 and 21 are rejected under 35 U.S.C. 102(b) as being anticipated by US5122805. The US5122805 reference discloses the utilization of radar means to detect sound waves as recited in the aforementioned claims as definite.

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9. Claims 18, 19 and 21 are rejected under 35 U.S.C. 102(b) as being anticipated by US6044160. The US6044160 reference discloses the utilization of two ultrasonic beams to create a lower frequency sound wave as recited in the aforementioned claims.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dan Pihulic whose telephone number is 571-272-6977. The examiner can normally be reached on Monday and Wednesday through Friday from 5:30 a.m. to 4 p.m. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Tarcza, can be reached on 571-272-6979.

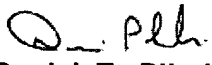
The fax phone numbers for the organization where this application or proceeding is assigned are:

571-273-8300 for official responses, and

571-273-6977 for unofficial communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 800-786-9199.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Daniel T. Pihulic
Primary Examiner
T.C. Art Unit 3662